START

0027555

MEETING MINUTES

Subject: Expedited Response Action Weekly Interface

TO: Distribution BUILDING: 740 Stevens Building

FROM: W. L. Johnson CHAIRMAN: G. C. Henckel

Dept-Operation-Component	Area	Shift	Meeting Dates	Number Attending
Environmental Engineering	3000	Day	April 19, 1993	12

Distribution

State of Washington Department of Ecology
J. Donnelly
L. Goldstein
D. Goswami
R. L. Hibbard
J. Phillips
D. D. Teel
N. Uziemblo
J. Yokel
T. Wooley*

U.S. Army Corps of Engineers
Walter Perro A3-61

U.S. Department of Energy, Richland Field Office
H. L. Chapman A5-19
J. K. Erickson A5-19
B. L. Foley* A5-19
E. D. Goller* A5-19
R. G. McLeod A5-19
P. M. Pak* A5-19
R. K. Stewart A5-19

U.S. Environmental Protection Agency
P. R. Beaver B5-01
D. R. Einan*
D. A. Faulk*
L. E. Gadbois*
P. S. Innis*
D. R. Sherwood

Westinghouse Hanford Company
L. D. Arnold B2-35
M. V. Berriochoa B3-30
B. R. Cassem* N3-05
H. D. Downey H6-27
W. F. Heine B2-35
G. C. Henckel* H6-04
W. L. Johnson* H6-04
J. K. Patterson* H6-27
D. L. Sickle H6-27
T. M. Wintczak H6-27
EDMC H6-08
ERAG Route H6-04
GCH File/LB

*Attendees

The weekly interface meetings on the expedited response actions (ERAs) was held to status the ERAs for the U.S. Department of Energy, Richland Field Office (RL), the U.S. Environmental Protection Agency, and the State of Washington Department of Ecology. The meeting was conducted in accordance with the attached agenda. Actions were formally reviewed and the attached action item list was updated. EPA and Ecology were notified of the cone penetrometer work scheduled for the Arid Site ID and the CCl_4 ERA.

Attachments:
1. Agenda
2. Action Item List
3. Decisions, Agreements & Commitments
4. Expedited Response Action Weekly Report, week ending 04/18/93

WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: April 19, 1993

- GENERAL ISSUES
  - ERA Interface Action Item review
- INDIVIDUAL PROJECT STATUS
  - Riverland
    - o Proposal Status
  - Sodium Dichromate
    - o Waste Disposal
  - Pickling Acid Crib
    - o Developing ERA Proposal
  - N-Springs
    - o Draft proposal
  - North Slope
    - o Developing Proposal
  - 200-W Carbon Tetrachloride
    - o Operations continuing
    - o Wellfield design
    - o Source term characterization
  - 618-11
    - o Draft characterization report is being revised
- OTHER ISSUE
- SUMMARY OF ACTION ITEMS
- SIGN-OFF ON ANY DECISIONS, AGREEMENTS, OR COMMITMENTS

EXPEDITED RESPONSE ACTION INTERFACE MEETING

-ACTION ITEMS-
April 19, 1993

ORGANIZATION	ACTION ITEM
WHC	WHC will provide RL, EPA, and Ecology copies of the GPR reports for the Riverland ERA site when it becomes available. (open) Note: North Slope, Sodium Dichromate, and Pickling Acid reports have been provided.
EPA/Ecology	EPA and Ecology will examine available data for radiation background as it pertains to ERAs. (open)

EXPEDITED RESPONSE ACTION INTERFACE MEETING

-DECISIONS, AGREEMENTS, & COMMITMENTS-
April 19, 1993

DECISIONS:

AGREEMENTS: No significant decisions, agreements or commitments

COMMITMENTS:

DOE Representative

EPA Representative

ECOLOGY Representative

WHC Representative 4/19/93

Weekly Report, Week Ending April 18, 1993
EXPEDITED RESPONSE ACTIONS
Technical and Management Contact - Wayne L. Johnson, 376-1721
Environmental Division

North Slope Expedited Response Action - RL management has verbally notified WHC on April 13, 1993, that the WHC role in the ERA is now limited to finalizing the ERA proposal and assisting with resolution of public comments. The actual field work is to be performed by the U.S. Army Corps of Engineers. WHC is waiting for formal direction from the RL contracting officer to reduce the WHC work scope. Efforts to issue a contract for remediation/abandonment of the wells on the North Slope are continuing until direction to cease this activity is received. The ERA proposal draft is being written to address the commitments made by RL for the North Slope. WHC will provide a smooth transition of the work scope to the USACE to minimize any potential delays in performing the cleanup action.

N-Springs Expedited Response Action - The ERA proposal is currently being transmitted to RL for review.

618-11 Burial Ground Expedited Response Action - The extensive review of the historical characterization report indicates that considerable revision is necessary. The review and revisions of the document is impacting development of the ERA proposal (ie. EE/CA). This document is causing a 3 to 4 week delay in schedule.

Riverland Expedited Response Action - The ERA Proposal has been placed on hold pending resolution of informal comments from DOE-HQ and RL. The issues being raised by DOE do not change the preferred alternative, but the delay in resolving these issues may result in not being able to fully utilize the summer heat to bioremediate the petroleum contaminated soils.

White Bluffs Pickling Acid Crib Expedited Response Action - The ERA proposal is on schedule.

Sodium Dichromate Expedited Response Action - The excavation of drums has been completed, transport of the drums to the landfill has been temporarily suspended to allow for higher priority projects to be performed.

There was a total of about 2300 crushed barrels (18 loads) and one load homestead debris (fencing and general trash).

As a result of Sodium Dichromate excavation activities, additional hazardous waste (asbestos, roofing tar, old oil and grease, and a very small amount of sodium dichromate contaminated soil) were placed in four hazardous waste drums. Hazardous Waste Management has been contacted to assist in disposing of these drums.

Field screening is completed. A total of 57 samples were analyzed in the field, with only traces of dichromate observed. Pending detailed review of the field screening data, it appears that the on-site water extraction was reasonably successful in extracting dichromate from spikes. Available data indicate a detection limit on the order of ½ to 1 ppm. It appears that most

of the samples were at or below this level, after corrections are made to the screening results provided by Sampling and Mobile Laboratories.

200 West Area Carbon Tetrachloride Expedited Response Action

Operations at 216-Z-9 - The leased 500 cfm Vapor Extraction System (VES) unit has experienced several more problems that have kept the unit from operating this past week. Large leaks were discovered around the gasket material of the HEPA filter housing and upon further investigation it was discovered that the gasket material provided by the manufacturer was defective. This problem was also discovered and corrected on the 1500 cfm VES unit. A replacement gasket was found and installation was completed Tuesday, April 13, 1993. When the unit was restarted a problem with the vacuum blower was discovered that caused the motor to overheat and shut down after about an hour's operation time. Efforts are now focused on trouble shooting and fixing the problem.

General operational and maintenance activities have resulted in the VES being non-operational for short periods of time. The most lengthy problem was the collapse of a HEPA filter gasket; as a result all nine were replaced to ensure all were functional. Downtime resulting from this incident was approximately three days.

The primary well being extracted is 299-W15-82. Typical carbon tetrachloride concentrations that have been observed are approximately 8000 ppm. Well #299-W15-95 is currently characterized. The current operational strategy is to determine baseline concentrations of each well prior to initiating extraction operations on a production basis. To date, two wells have been/or are being characterized, W15-82 and W15-95. Wells #W15-84 and W15-85 were tested but the VES was unable to obtain any type of vacuum. Upon completion of the characterization work, all available wells will be used for operations.

Operational sheets to support startup and shutdown of the system have been revised to reflect operational requirements of TI-010. (EJM)

Operations at 216-Z-1A - Flowmeter problems with the upgraded portion of the VES at Z-1A have been eliminated. The system has operated successfully for a period of five days at 24 hours/day operation. Work continues on finding a reliable carbon tetrachloride (CCl_4) instrument to allow the system to run unattended through the weekend.

WEEKLY CCL_4 EXTRACTION TABLE					
Operational Date	Extraction System	Amount of CCl_4 Removed (lbs)	Conc. Range (high-low) (ppm)	Total Operational Time (hrs)	Flowrate Range (high-low) (scfm)
Week of 4/7 - 4/13	500 cfm	0	-	0	-
	1000 cfm	836	430-875	93.75	470-760
	1500 cfm	74	6,000-14,600	12.5	5-20
Total 1993		2874		785.62	
Total 91-92		2111			
TOTAL		4985			

Wellfield Design - Completion of vapor extraction well 299-W15-218 on the north side of the 216-Z-9 trench began April 5, 1993. On April 9, 1993, the well had been completed to a depth of 126 ft. Since then, progress has been delayed while attempts are made to fish a dropped tremmie pipe out of the well.

The drill sites for the next three vapor extraction wells (299-W15-219 northwest of 216-Z-9, 299-W15-220 east of 216-Z-9, 299-W18-252 midway between 216-Z-1A and 216-Z-12) are being stabilized. The location of well 299-W15-219 was moved 20 ft. north and 20 ft. east of the staked location because ground penetrating radar detected subsurface debris at the original location.

Cone penetrometer well installation is scheduled for May 3, 1993, through June 15, 1993, in the vicinity of the three disposal sites.

The puffer unit is ready for operation.

Analysis of the active vapor extraction system data from the 216-Z-1A tile field operations is continuing. The trends noted in the data will be incorporated into the 216-Z-1A/18 wellfield strategy report.

Crib Boreholes - Deepening of 299-W18-174 within 216-Z-1A began March 17, 1993. The initial depth was 46 ft.; the well reached total depth of 131.5 ft. on April 8, 1993. Geophysical logging was conducted April 9, 1993, (gross gamma) and April 13, 1993, (RLS); completion will begin April 15, 1993. A 20 ft. screen will be installed from 110 to 130 ft. depth.

The angle hole demonstration planned for the sonic drill rig will be drilled underneath the parking lot north of the 216-Z-9 trench instead of directly under the 216-Z-9 trench, as described in the workplan. Drilling is anticipated to begin June 15, 1993.

Data Evaluation - The report, "Refined Conceptual Model for the Volatile Organic Compounds - Arid Integrated Demonstration and 200 West Carbon Tetrachloride Expedited Response Action", PNL-8597, by G. V. Last and V. J. Rohay, went to printing on April 8, 1993, and should be ready for distribution by April 27, 1993.